

What is claimed is:

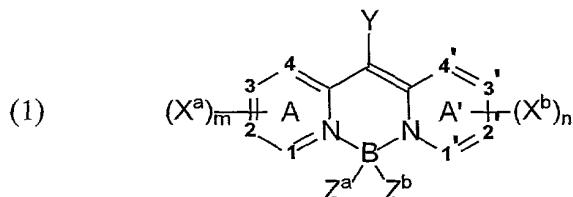
1. An OLED device comprising a light-emitting layer containing a host and a dopant where the dopant comprises a boron compound containing a bis(azinyl)methene boron complex group.
2. The device of claim 1 wherein the layer comprises a host and dopant where the dopant is present in an amount of up to 10 wt % of the host.
3. The device of claim 2 wherein the dopant is present in an amount of 0.1-5.0 wt % of the host.
4. The device of claim 1 wherein the boron complex group is a 6,6,6-tricyclic bis(azinyl)methene boron complex group.
5. The device of claim 4 wherein the boron complex group is a bis(pyridinyl)methene boron complex group.
6. The device of claim 5 wherein at least one of the pyridyl groups is substituted.
7. The device of claim 6 wherein at least one of the pyridyl groups has substituent groups joined to form a fused ring.
8. The device of claim 1 wherein the host comprises a chelated oxinoid compound or an anthracene compound.
9. The device of claim 8 wherein the host comprises a chelated oxinoid compound.
10. The device of claim 8 wherein the host comprises an anthracene compound.

11. The device of claim 1 wherein the host comprises tris(8-quinolinolato)aluminum (III) or 2-*tert*-butyl-9,10-di-(2-naphthyl)anthracene.

12. The device of claim 1 wherein the substituents are selected to provide an emitted light having a green hue.

13. The device of claim 1 wherein the substituents are selected to provide a reduced loss of initial luminance compared to the device containing no boron compound of claim 1.

14. The device of claim 1 wherein the dopant compound is represented by Formula (1):



wherein

A and A' represent independent azine ring systems corresponding to 6-membered aromatic ring systems containing at least one nitrogen;

each X^a and X^b is an independently selected substituent, two of which may join to form a fused ring to A or A';

m and n are independently 0 to 4;

Y is H or a substituent;

Z^a and Z^b are independently selected substituents;

1, 2, 3, 4, 1', 2', 3', and 4' are independently selected as either carbon or nitrogen atoms.

15. The device of claim 14 wherein **1**, **2**, **3**, **4**, **1'**, **2'**, **3'**, and **4'** are all carbon atoms.

16. The device of claim 14 wherein at least one of ring A or A' contains substituents joined to form a fused ring.

17. The device of claim 14 wherein both ring A and A' contain substituents joined to form a fused ring.

18. The device of claim 14 wherein there is present at least one X^a or X^b group selected from the group consisting of halide and alkyl, aryl, alkoxy, and aryloxy groups.

19. The device of claim 14 wherein Z^a and Z^b are independently selected from the group consisting of fluorine and alkyl, aryl, alkoxy and aryloxy groups.

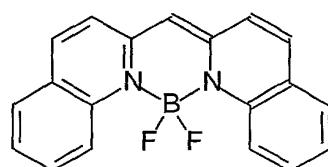
20. The device of claim 19 wherein Z^a and Z^b are F.

21. The device of claim 14 wherein the layer comprises a host and dopant where the dopant is present in an amount of up to 10 wt % of the host.

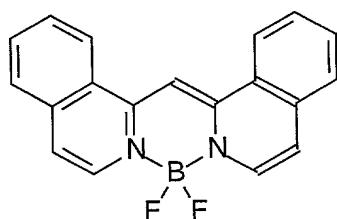
22. The device of claim 21 wherein the dopant is present in an amount of 0.1-5.0 wt % of the host.

23. The device of claim 1 wherein the boron compound is selected from the following.

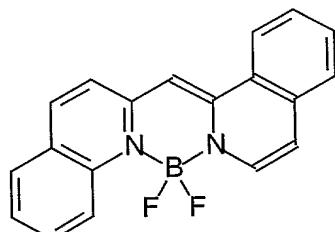
Inv-1



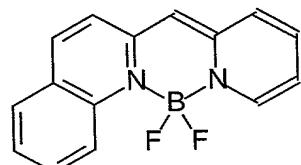
Inv-2



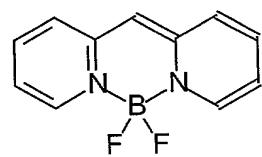
Inv-3



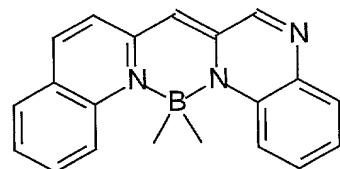
Inv-4



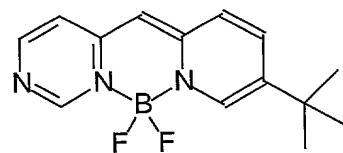
Inv-5



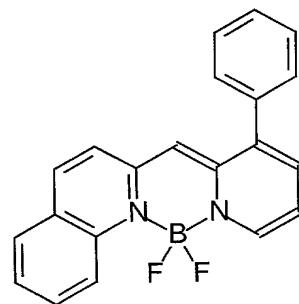
Inv-6



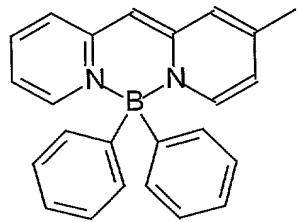
Inv-7



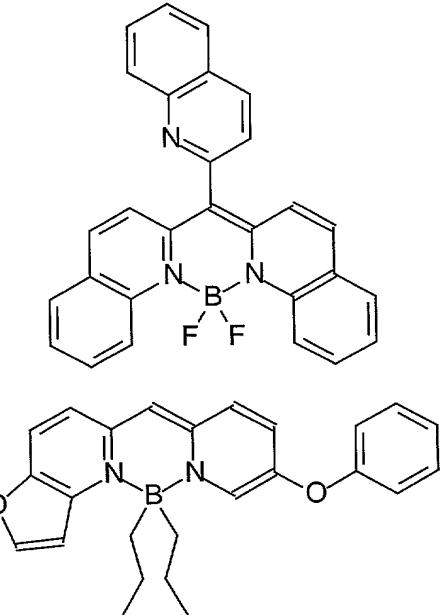
Inv-8



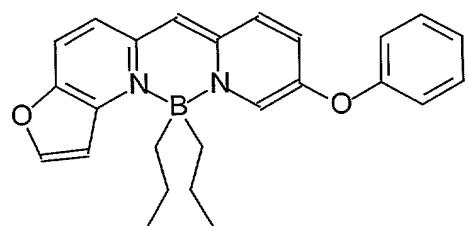
Inv-9



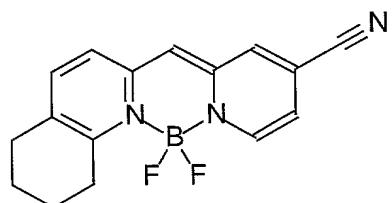
Inv-10



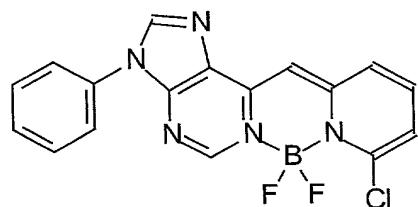
Inv-11



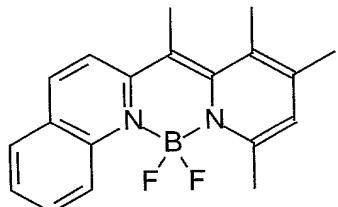
Inv-12



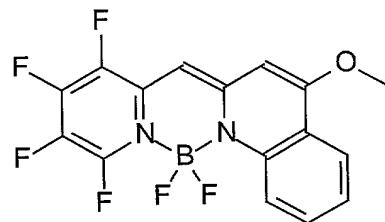
Inv-13



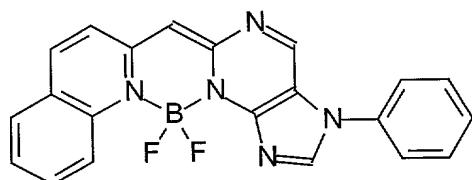
Inv-14



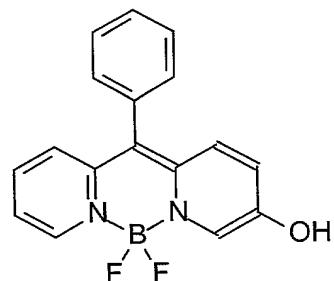
Inv-15



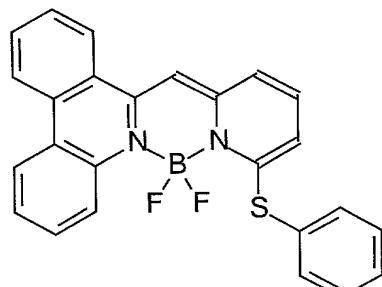
Inv-16



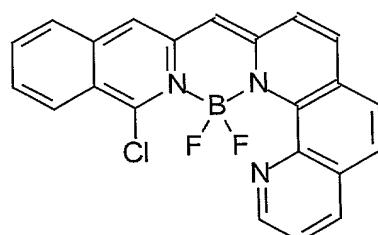
Inv-17



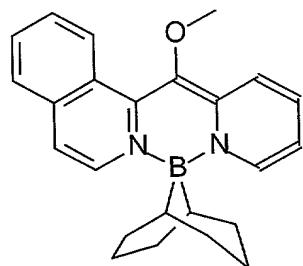
Inv-18



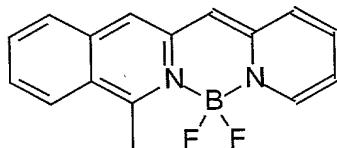
Inv-19



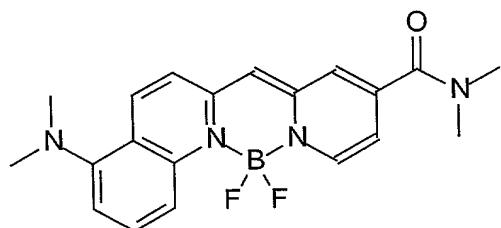
Inv-20



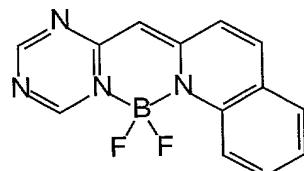
Inv-21



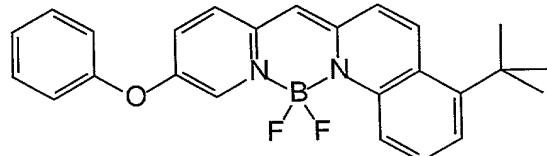
Inv-22



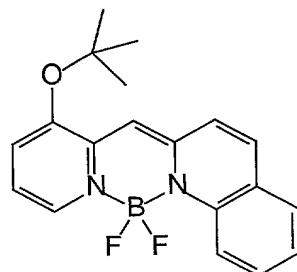
Inv-23



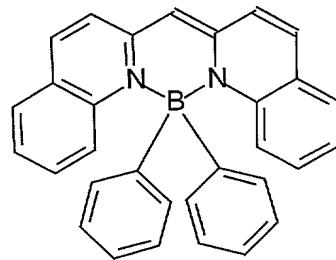
Inv-24



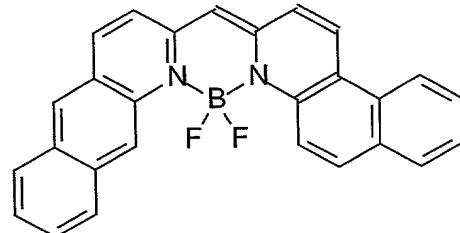
Inv-25



Inv-26

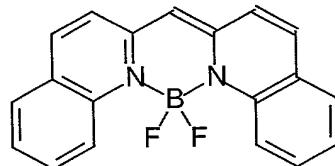


Inv-27

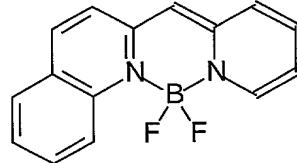


24. The device of claim 1 wherein the boron compound is selected from the following.

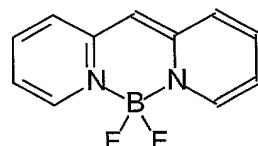
Inv-1



Inv-4



Inv-5



25. A light emitting device containing the OLED device of claim 1.

26. A method of emitting light comprising subjecting the device of claim 1 to an applied voltage.